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File	No	·····	

DUPLICATE

T 12 N R 19 W

Missoula County....

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER



Notice of Completion of Groundwater Approp អ្នកស្រី ENGINEER Without Well

(Under Chapter 237 Montana Session Laws, 1961)

•	•
	Date of Appropriation of Groundwater 1939
	OwnerRuth Bulen Benson, Address Missoula, Montana (at date of appropriation)
	Contractor (if any) I had none.
	Address of Contractor
	Date Started Date Completed
N I I I I I I I I I I I I I I I I I I I	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable Development of surface springs
	which head on the property at point indicated by use
	of one h.p. electric pump from spring through 14"
	pipe to land to be irrigated, approximately 1000 gal.
Irrigate O Sering	per hour can be developed in sprinkler system.
	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
8	estimate approximate lengths of periods of use
NE14.SW Sec12 T.12NR19W Indicate point of appropriation	Sufficient for 12 hours per day for irrigation of laws
and place of use, if possible.	hay, trees and orchard.
•	
	Signature of Owner Educad Lumba
	Date December 3, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

JATE Top of Ground		ISTRATOR (OFFICE OF	OF MONT OF GROUN STATE E	ANA DOWNTER	DEC 13	1963
(Elev. above sea level)	Notice o					BINE
A Commence		priation Chapter 237,				
O to 2° Top soil	Upper 1 Owner	Hiller Cree		1811 D	izeenE	iencia.
2' to44' Clay, sand,&	DrillerGlormCam	705.Ald	rAddres		a, Hon4	*************
gravel	Date of Notice of App	propriation of	Groundwat	er		
44' to 108' Decomposed	Date well started	11/29/62	Date Co	mpleted	12/12/62)
granite , clay & gravel	Type of well		Equipm (Churn (other)	, drill, rotar	huze dri y or	11
127' to 156' Clay , decomp		ic 🖬 Mu al 🗍 Dr	nicipal [Other Stock		igation
156' to 168' Clay, sand .	Tel Indicate on the strata met with in di Show depth at which bearing strata and he	rilling, such a water is enc	s soil, clay, ountered, tl	shale, gravickness and	vel, rock or d character	sand, e
1681 to 172' Clay & Str.	of Size and Hed Weight of	From	To	P	ERFORATION	8
H 0		(Feet)	(Feet)			
gravel 6 172' to 199' Sand, gravel & mater 199' to 201' Clay 201' to 205'-5" Oravel		ciess 2.	above 4.		From (Feet)	To (Feet)
172' to 199' Sand, gravel & mater 199' to 201' Clay	Static Water Le Shut-in Pressur Pumping Water Discharge in ga How Tested	vel for non-flee for Flowing Level. 175	to 207 bowing Well	153: 1 th of Test packers, to dwater if ormation, irigation)	Rome gal. j	per minu

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

I received and livid this justicement for record on the day of Manual 1963 at 1969. At 1969 at

GW 2		المناه الماسية والما	Approved	Stock Form-	-State Publishi	ng Co., Helena,	Montana-4560	r S
File No	······································	1 3 1973			T	R.	*********	10
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			ADMINISTR OFF			ndwated Ngineer	CODE	
	Top of Ground	Mas	_					
	(Elev. above sea level	•	ice of C	-	_			er
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	30' to 35' Clay & grave	•	(Under Chapt Wall on	Upper A	illior t	reek ro	ad	
_	35° to 46° Gravel	Owner Har	old Hersh		Addre	88 4214	Rochers.	Lana
-	46' to 49' Clay	Driller	enn Camp	705 A		88 <i>Mi.</i> aa	omla,Non	i \$
	49' to 82' gravel	Date of Notic						
F	\$2° to 91' Sand & grave (water with iros)							
-	91' to 110' Gravet &	Type of well.	ug. driven, bore	d or drille	Equipm	ent used (Chu	rn drill, rota	ry or other)
	water	Water use:		ic 🛍 M	unicipal [Drainage [] Ste		rigation [
_ _		Indicate	on the diagra	m the cha	racter and	l thickness	of the diffe	rent strata
4_ 1		met with in depth at which						
]]		strata and he	ight to which	the wate	r rises in 1	he well.		
		Size of Drilled	Blue and Weight	From (Feet)	To (Feet)	,	ERFORATION	8
<u> </u>		Hole	of Casing			Kind Size	From (Feet)	To . (Foot)
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 	٤	Y NEY	4 	19W e	rs, type of	shutoff)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	••••••••••••••••••••••••••••••••••••••
—		Indicate loca	ation of well if possible.	and			,**************	
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F		***************************************	******************			(Cont	inue on re	verse side)
-		USE—If use	ed for irriga	tion, indi	ustrial, dr	ainage or	other Ex	plain, state
-	1	numbe tion).	er of acres ar	d location	n or other	data (i.e.:	Lot, Block	and Addi
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				••••••		***************************************	•••••••	*************
	Show exact depth of bottom.			***************				***************************************
						leence	# 7	
	m to be prepared by driller, and three co					r's License	*****	***************************************
	Clerk and Recorder in the county in which by driller.	i the Well 15 1008	reu, tissue copy	. 40 DB	_			_
					<u>بخ</u> ســ	lenn	1 Cans	P

Please answer all questions. If not applicable, so state, otherwise the form will b returned.

Driller's Signature.

I received and flight this Instrument for record on the ATT day of Light and at Its Att action. Att a permanent ties of Massoula County, Safe of Montana Witness my hand.

Duroully L. Head, County Recorder by County Recorder by County Att and Deputy Fee \$ 2.000 cms Paid

245° to 270° Tan clay, silt & gravel

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

#508

I received and filed this Instrument to received and filed this Instrument to record on the Company of the performant files of Missoula Cotusty, State of Montaina Witness my hand:

Vegames R. Crosse, Cyuffy Reforder
By 1002 Land Paid
Fee S. J. J. Paid

DOP-MOATE DOP-MOATE DOP-MOATE DOP-MOATE DOP-MOATE LOG Contract LOG Contract LOG Contract LOG Contract Approx Approx Notice of Completion of Groundwater Approx Approx Approx Approx Notice of Completion of Groundwater Approx Approx Approx Approx Notice of Completion of Groundwater Approx Approx Approx Approx Approx Approx Approx Notice of Completion of Groundwater Approx	GW 2				STATE WATER	CO	NSERVATI	ON BOARDyed	Stock Form-	-State Publishi	ng Co., Held	ena, Montana-423:	29
Top of Ground Color	File No.					•				T1	2N	R 19W	11-
Top of Ground Dictarts	DUTAIG	ATE			Bille		McDerinot	t		Cour	ity Mi	ssoula	
Top of Ground Approx. (Elev. abore sea levisible) Ornations Log: O = 3 Black dirt. 2 = 14 Yellow clay. 18 = 24 in Seal clay. 18 = 24 in Seal clay. Appropriation by Means of Well DEVELOPED APPER JANUARY 1, 1969 Owner of Chapter 237, Montans Session Laws, 1961) Arlens C. & for Appropriation by Means of Well Developed Apper St. January 1, 1962 Arlens C. & for One of Gravel alixed with blue- green clay. Be = 94 Blue = green Clay. Be = 94 Blue = green Clay. Physic of well Prilled Developed a with blue- green clay. Be = 94 Blue = green Clay. Gravel mixed must with indilling, such as sold, clay, shale, gravel, rock or sand, etc. Show in gray clay, depth at which west es encountered, thickness and character of water-baring strike and height to which the water rises in the well. 102 - 120 Gravel mixed with blue- green clay. 120 - 127 Gravel mixed with blue- green clay. 120 - 120 Gravel mixed with green clay. 120 - 120 Gravel mixed with green 121 - 120 Gravel mixed with green 122 - 120 Gravel mixed with green 123 - 120 Blue clay. 230 - 295 Light blue - w green clay. 230 - 295 Light blue - w green clay. 230 - 295 Light blue - w green clay. 230 - 295 Light blue - w green clay. 230 - 295 Blue clay. 230 - 295 Light blue - w green clay. Non-flowing well mixed Water. Dischate the well. With order of the Well. Water. Some water. 532 - 338 Goares and with blue clay. 235 - 236 Gravel mixed with blue clay. Some water. 536 - 539 Blue clay. 250 - 295 Light blue - w green clay. Water rises in well 280 fire from surface Blow exact depth of bottom. Botton of hole 339* This form to be prepared by diller, and these ceples to be filed by the ewere with the county of which the well induced by diller. The form to be prepared by diller, and these ceples to be filed by the ewere with the county of which the well induced by diller. The form to be prepared by diller, and these ceples to					Eutzerin		Morton		STATE (
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Second	-		_	70		Dr	ille Libe	rty Drill	ing Co	aAddre	ma Mi aa	oula. No	ntana
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with gray clapsie well started MS65	1 1					Da	te of Noti	ce of appropr	iation of	groundwa	ter.NOA	e filed	**********
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176 - 178 fine brown sand & gravel 178 - 200 Gravel imbedded in blue clay. 200 - 210 fine sandy brown gravel. Vater. 210 - 250 Blue clay. 230 - 295 Light blue - green clay. 295 - 305 Blue - green clay. 328 - 528 Gravel mixed with blue clay. 328 - 532 fine gray sand. Water. 338 - 359 Blue clay. 338 - 359 Blue clay. Water. 350 - 359 Blue clay. Water rises in well 280 ft. from surface Mater rises in well 280 ft. from surface Show exact depth of bottom. Bottom of hole 339* This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form will be Static Water Level for non-flowing well Static Water Level for non-flowing well Shutin Pressure for Flowing well Shutin Pressure for Flowing well A static Water Level for non-flowing well Shutin Pressure for Flowing well Shutin Pressure for Flowing well A static Water Level for non-flowing well Shutin Pressure for Flowing well Shutin Pressure for Flowing WellMons. Pumping Water Level for flowing well A static Water Level for non-flowing well Shutin Pressure for Flowing WellMons. Bottom of Resarch A static Water Level for non-flowing well Shutin Pressure for Flowing WellMons. Shutin Pressure for Flowing WellMons. Remarks: (Gravel packing, cementing, pack- ors, type of shutoff) All water mater- ing well is coming the origing in gal. per min. of flowing well at 50				_,-				ł	}			1	
176 - 178 fine brown sand & gravel 178 - 200 Gravel inbedded in blue clay. 200 - 210 fine sandy brown gravel. Water. 210 - 230 Blue olay. 230 - 295 Light blue - w green clay. 305 - 328 Gravel mixed with blue clay. 328 - 352 fine gray sand. Water. 332 - 358 Coarse sand and gravel. Water rises in well 280 ft. from surface Water rises in well 280 ft. from surface Show exact depth of bottom. Bottom of hole 339. This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form will be Static Water Level for non-flowing well 280 ft. Shut-in Pressure for Flowing WellMones f. Shut-in Pressure for Flowing Well and pumping well of Flowing feet at 50. Shut-in Pressure for Flowing Well and pumping well of Flowing feet at 50. Shut-in Pressure for Flowing Well and pumping well of Flowing feet at 50. Shut-in Pressure for Flowing feet at 50. Shut-in Pressure for Flowing feet at 50.	1-	170	**	176		ry.	•	}	1	{		1	}
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at rates less than 25 to 50 percent of the tested capacity of the

County Missour DRILLER'S LOG

JUL 19/1 Parities of strata such as soil, clay, sand, cravel, shale, sandstone, etc. Show water is found and well.

STATE OF MONTANA

STATE OF MONTANA		DRILLER'S LOG
ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD, 10:177,784.	ly, ness of s	DRILLER'S LOG the character, color, thick- trata such as soil, clay, sand,
MONTANA WATER RESOURCES BOARD, 10,117, 1,100 P. C. MONTANA WATER RESOURCES BOARD, 10,117, 1,100 P. C. MONTANA WATER PARTY TO THE PARTY	gravel, a depth at N_{CER} depth at N_{CER}	shale, sandstone, etc. Show which water is found and which water rises in well.
(Under Chapter 237 Montena Session Laws, 1961, as amended)	Top of Ground	(Elev. above sea level)

(Under Ch	upter 237_	Montena	Session L	aws, 1961,	as amende	d)	Top of	Ground	d de	lev. above sea le	rel)	<u> </u>
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which the w	veli is loca	ted, last	copy to b	e refained	by driller.	-	2	20	GRAVE	LIORS	2/4	
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334800 Preceived and filed this Instrument for record on the 12 day of July 1973 at 5' 0.0 o'clock 4. M. permanent files of Missoula County, State of Montana Witness my hand:

Dorothy L. Head, County Recorder By m. M. Consultation Deputy Fee \$ 2.00 failed.

-61	

Approved Stock Form-State Publishing Co., Helena, Montana-42199

18

File	No

DUPLICATE

T 12N R 19W

STATE OF MONTAMA
ADMINISTRATOR OF GROUNDWATER CODE:
OFFICE OF STATE ENGINEER

UEC 30 1863

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

N 3	Date of Appropriation of Groundwater
Specific Spe	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Continuous use Signature of Owner Market Alexandra and assemble to the second of the secon

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

MO 214 894

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A Anno atrico anno a

gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE AND THE STATE OF Indicate the character, color, thick-montana water resources board? To the state such as soil, clay, sand, ness of strata such as soil, clay, sand, sand,

NOTICE OF COMPLETION OF GROUNDWATER 10 1871 APPROPRIATION BY MEANS OF WELL 1871 Developed after January 1, 1962

	hapter 237 A	Nontana S	ession L	ws, 1961,	as amende	d)	Top of	Ground	(Elev. above sea level)	==
nis form to	o be prepare	ed by dri County Cl	iller, and erk and	three cop Recorder	pies to be f	filed v in	From (Feet)	To (Feet)	Wall: Upper Miler Cr	e al
hich the v	well is locate ver all questio	d, last co	py to be	retained	by driller.	-		1		
	e returned.		- applica	———	e, omerwise	ine	.4	10_	_Gray_Clay	
wner W ar	ner C. Lu	indb e ra				_	19	22	Grave L with water	
		-	1-		nistrator's Use		22	28		
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comp	pleted Mars	h. 24	125.1				5 4	50	Green-alay-with-grave	٠,
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and A	Addition)	••••••••		•••••••	•		338_	43	Yollow-Clay-6	
TIMATED	ANNUAL W	THDRAW	AL		******************	******	343_	45	Sendy-brown-eley	
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)		PERFORATIONS		345.	247	a_iiiia water,wood Graval-with-water	
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			Pum	ping wate	r level 30.5	ft.	*			
					gallons p .minutes afte					
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			Wel		d by bai.Le :		·			
			Pow	er <i>D</i> ogs	Pump ao .			 		
- <u> </u>	Hills 8Traci				vel packing, of shutoff)			 		
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T/.2	(N)R/	9E	·	*************]		ļ
\	5 LOCATION ALL SQUARE	OF WELL REPRESEN	AND PI	LACE OF I	USE, IF POS	SIBLE.				
ACH SM		0. //	/	γ				+	ļ	1
EACH SM		Sles	wel_	BULL			_	+		1
ACH SM. Driller's Si CAMP	ignature	Sles LING &	PUNF	ZILLYD. SUPICYY						1

I received and filled this Instrument for record on the handle of Grand 19.7.1.

a. 11... 15... o'clockly M., permanent files of Missoule County, Stats of Message Witness my acna.

Verance R. Crones, County Recorder By Tanance R. Crones R. Cron

File No	T 12 N R 19 W
DUPLICATE	County Missoula
ADMINI	STATE OF MONTANA STRATOR OF GROUNDWATER CODED FFICE OF STATE ENGINEER
Declaration (Vinder C	of Vested Groundwaters Rights hapter 237, Montana Session Laws, 1962)
(Under C	napter 231, Montana Session Laws, 1902)
(Name of Appropriator)	State of Montana
have appropriated groundwater accord	ing to the Montana laws in effect prior to January 1, 1962, as follows:
	2. The beneficial use on which the claim is based Household. stock. lawn and garden irrigation.
w	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1927 and normal, continuous usage for above items since then.
•	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per minute
	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof Mot applicable , as only irrigation is for laws
M. 18 T.12 R19N	and garden.
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.	6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Deep well gump. Well located midway between house and Morth property line.
drawal of groundwater 1927 a	mpletion of the construction of the well, wells, or other works for with- or reference see Welter Peery, Rte 3, Missouls, Hot Springs, Montans,
•	water level 114 feet, pumping level same.
 So far as it may be available, the works for the withdrawal of grounds hundradfastdespinwi 	type, size and depth of each well or the general specifications of any other vater. Drilled and cased with a five inch casing, three sich a Myers subsersible pump is legated at present.
10. The estimated amount of groundwat	er withdrawn each year. 310,000 gallons
	the drilling of each well if available. Not available.

12. Such other information of a similar reference to book and page of any e	nature as ma; be useful in carrying out the policy of this act, including punty record.
	Signature of Owner Confine A Valley Marian L. Shift December 30, 1963
Three copies to be filed by the owner with	the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not appli	cable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1 received positive this instrument is a received paths. Study of the 180 of the study of the 180 o

A Marian

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GW 2				Approved	Stock Form	-State Publish	ing Co., Helena	, Montana—5055	
File No				'',				19 u	
TRIPLI	CATE							550u/	
	VII.22	LOG			STATE	OF MONT	• ,		
				ADMINIST	RATOR (F GROUI		E CODE	
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_	(Elev. abo	ove sea level		tice of C Appropri					BL
_	0- 3	7opso11					Bans of Wary 1,		
			(Unde	er Chapter 23					led)
-		Common America	O Nes	m A Haf	4	4.35	Hiller	Creek	•
) <i>-</i> 100	eand, gravel,		m.QHofi				•	
			DrillerQ.s.	(.O. Dr11)	ling	Addre	Box 67	O. H188	ouls
			Date of Not	ice of approp	riation of	groundwa	ter		********
			Date well at	tartedApr11	<i>2</i> 7. 1	970 Date	completed!	ay 4. 1	970
 _			Type of we	u Drille	4	Equipm	ent usedak	ura del	11
<u> </u>			Water use:	Dug, driven, bor		ed) Iunicipal [•	rn drill, rota: ock 🔲 - Ir:	
-	100-103	Sand and gravel	Water use:	Tedianti		Drainage (her 🗆	JRWHOTI [
<u> -</u>				on the diagra drilling, such					
<u> </u>	103	Static vater	depth at wh	ich water is en neight to which	ncountere	d, thicknes	s and char		
	1	74457	Size of	Size and	From	То			
	103-128	Sand, gravel,	Drilled Hole	Weight of Casing	(Feet)	(Feet)	Kind	PERFORATION From	To
<u> </u>		and water				}	Size	(Feet)	(Pest)
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 -	1								
-	<u> </u>			İ					
-	128	Exact depth of			ļ <u>.</u>	<u> </u>			
	į	bostom		N	[']	Static Wa	ter Level	for non-flo	
	1			•	- 1 .	Name to Day	-		3feet,
	I				'	Sumping T	Water Leve	Flowing W	feet
_	Doc. N	10. 293467	w					per minut	
 	Filed fo	or record] 1	Discharge	in gal. per	min. of fl	owing well
_	A. D. 1	3/ day of July 19 70, at 1003				Y M4	. Baile	r & Test	מיוניונים ב
-	o'clock	A.M.			֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	10W Teste enoth of	Test	3 hours	,A
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-			NEV. N. Bec	19 T/2N	B/9 N	ers, type of	shutoff)	4. 44 40	
	ļ		Indicate lo	cation of wel	ll and .	************			
	1			are represen					
	1				•				

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Show exact depth of bottom.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

.....(Continue on reverse side)

Driller's License Number

Charles 7 Hollenstern.
Driller's Signature.

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

#2019

293467

3 GW 2 Revised 1969

RECEIVED

12N 19W 19 County # 15 H 1211

STATE OF MONTANA

AUG 17 1972

DRILLER'S LOG

ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD HONTANA DEPARTMENT OF NATURES of strate such as soil, clay, sand, NOTICE OF COMPLETION OF GROUNDWATER
ADDRODDIATION RY MEANS OF WELL

STATE OF MONTANA

ADDRODDIATION OF GROUNDWATER

depth at which water is found and delight as which water rises in well. height to which water rises in well.

Developed after January 1, 1962

(Under Chapter 237 Montana Sessio	m Laws, 1961,	ed)	Top of Ground (Elev. above sea level)				
This form to be prepared by driller, by the ewner with the County Clerk which the well is located, last copy to	and Recorder	in the cour	أنسالك	Frem (Feet)	To (Feet)	(1111)	=
Please answer all questions, If not ap-	olicable, so stat	te, otherwis	e the	٠	1	inguit	;
form may be returned.		.,		1_	<u> </u>	blund tree foreign bees	etx.
OwnerRex Paddock	For Admii	nielentaria ()		90	119	Sand and Fravel	
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Missoule, Montana	August 14,1	19229:3	Caus.				
Date well started \$224	GW 1) 	<u></u> }
completed August 4, 197	2					ک من فی گر ہیں ڈاک دار ہیں۔ آب ہیں نہیں جس بیٹ دان ہات دی جس	
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Equipment used ,			*******				
	(Chern drill, rotar						
				<u> </u>			
Industrial Drainage	Other 🗆*	Garden/Lav	vn 🗆				
*Describe						<u></u>	}
USE: If used for irrigation, industrial state number of scres and locations	l, drainage or	other. Ex	plain,				
and Addition).		•		 			Š
			******				1
ESTIMATED ANNUAL WITHDRAWAL							
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INDICATE LOCATION OF WELL AND	PLACE OF I	ISE. IF POS	SIRI F				
EACH SMALL SQUARE REPRESENTS		,					
Driller's Signature							ı
•		•••••••••••••					,
Driller's Address	ring co	Victor	. Mont -	<u> </u>		<u> </u>	
		NO .			110	Show exact depth of bottom	

1-F,

Engineering Bureau Groundwater Section Sam W. Mitchell Building Helena, Montana 59601 Water Resources Division Department of Natural Resources and Conservation

> Doc. No. 42318, 320693 Address Miller Cr. Missla. Rex Paddock

As the Administrator of the Groun-Water Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

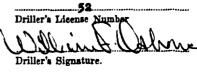
well by section, township and range. Please provide, as indicated in red on the attached form, the complete location of the

Thank you.

			· n					$\mathcal{L}^{\mathcal{J}_{\mathcal{O}}}$
GW 2	*		Approved 8	kock Form—		ng Co., Helenr,		_
File No	v t + 0000000000				ТХ	20 R.	73M	\e_======
DUPLIO	ATE		_			nty Miss	oula	***************************************
	LOG		ADMINISTR.	ATOR O				
	Top of Ground	Mas						
	(Elev. above sea level.3500££.)		ice of Co Appropria					∌ Γ
-	Formations Log:	•	DEVELO	PED AF	TER JAN	UARY 1, 1	962	
-	0 - 3 Topsoil.	(Under	Chapter 237	Montana	Session	Laws, 1961	, as amend	ed)
	5 - 119 Sand and gravel with		Mitnel (M.E.Bak)		Addre		ule: Me	mtema.
	some gray clay mixed							
	in. 119 - 120 Silty sand		ety. Dril	_			-	
-	and gravels		e of appropri					
-	120 - 121 Clean sandy gravel.	Date well str	rted9/1/	65	Date	nompleted	9/8/65	194044-1944114-
-	121 - 125 Silty sand and gravel.	Type of well	Drilled	d or drille	Equipm d)		ableto n drill, rotar	
-	125 - 139 Gravel im- bedded in	Water use:	Domesti	e 📭 M	unicipal [] Sto	ek 🖪 In	
	tan clay.	Indicate	Industris on the diagram		Prainage [racter and	-	er 🔲 of the diffe	rent strata
_	139 - 147 Cleam coarse sand and	met with in	irilling, such (an noil, c	lay, shale,	gravel, roc	k or sand,	etc. Show
	gravel.		eight to which					والشرود و
-		files of Defiled	Sine and Weight of Coding	Prom (Post)	To (Foot)		ERFORATION	
<u> -</u>		Biom				Mind More	(Feet)	To (Post)
	Doc. No. 293683 Filed for record	6"	6 5/8"			}		
	Filed for record this	at .	OD = K*	0	159	Shop made	ļ	l
-	A. D. 19 70. st /2 4.5				ļ	sereem	6	 • • • • •
						5 9/167	136	147
			N	s	tatic Wa	ter Level		
					hnt.in Pr	memora for E		ll. Manns
						Vater Level	_	
	Vator rises in well	*				Øgal.		
H	95 feet to aurface.			1 1)ischarge	in gal. per		wing well Cleving
	And the second	*		H	Low-Test	dAlrL		_
<u> </u>	· -	<u> </u>		r	ength of	Test3b	Ps	************
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_	ł		20 T.12WH ation of well			1.1a60		r…enter crough
-		place of use small squar	, if possible. re represents	Each		n.scree		
	1	acres.	***********	••			***************************************	
						•		-
_		USE—If us numb	ed for irrigat er of acres an	tion, indi d location	ustrial, di n or ether	rainage or data (i.e.:	other. Exp Lot, Block	plain, state and Addi-
-		tion).						
-			oad, <u>M</u> iss					
	Show exact depth of bottom. Bottom of well 147 ft.							

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.



I received and filed this Instrument for record on the day of Missoula County, Stars of Montana Witness my hand:

Y famas R. Grouse, County, Beografian Free S. J. J. Paid

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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

2 1973 DRILLER'S LOG

ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Indicate the character, color, thickness of strata such as soil, clay, sand, ness of strata such as soil, clay, sand, color of strata such as soil, clay, sand, ness of strata such as soil, clay, sand, of strata such as soil, clay, sand, nest of strata such as soil, clay, sand, of strata such as soil, clay, sand, nest of strata such as soil, clay, sand, of strata su

		nopea am	er January	1, 1962					to which water rises in well.	- 1
(Under C	hapter 237	Montana	Session L	aws, 1961,	as amend	ed)	Top of	Ground	(Elev. above sea level)	s Y
This form to	er with the	e County	Clerk and	Recorder	in the cour	filed	From (Feet)	To (Feet)	(Cites appro and level)	=
which the	well is loca	ited, last i	copy to b	e retained	by driller.		_0	34	Clay and Gravel	
Please answ form may b	ver all ques be returned	tions. If r	not applica	ible, so stat	te, otherwis	e the	34_	.36	Clay, Gravel, Frace	
Owner	laxard W	. Daley		For Admir	nistrator's U	se	_36_	103	Clay & Graye!	
Address	R1. 5. M	{ ler C	reek F	ile <i>3340</i>	66, 75	4	103	133	Sand, gravel & wate	
	Missoula	, Monta 59	801 L	flazia		i	1.33	137	Yellow clay & grave	
Date well s	started .Ma	y. 14.	1973 G	W1 5/	<u>. بور .حرک</u>		137.	145 1	<u>" Broken Rask</u>	{
com	pleted .Ma	y 24, 1	973	***************************************						
Type of we	ell <i>Qe</i>	flled	(Dug	, driven, bored	or drilled)	••••••				
Equipment	usedCh	uen Dri	111							
Water Use:			ci nicipal		y or other)] Irrigatio	on 🗷				
Indu	ustrial 🔲	Drainage	Oth	ner □*	Garden/Lav	vn □				
*Describe	***************************************	*************		••••••	*****************					
USE: If use	ed for irric	gation, in	dustrial, d	rainage or	other. Ex	plain,		-		
	number of	. :				Block				
and A	Addition)	•••••••		••••••••				+		
ESTIMATED	ANNUAL	WITHDRA	WAL							
Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	r	ERFORATION	9		 		
		1 .	,		LICE CHATTOI			├ ──		1 1
an ID	STID.	21	145 '9"	Kind Size	From (Feet)	To (Feet)				
	8"1D 24 lb	above		Kind Size Milla	From Feet)	To (Feet) 133*				,
	STID	above		Kind Size Milla Knifo 3/8 x	From (Feet) 1131 41 rou	To (Feet) 133*				ţ
	8"1D 24 lb	above		Kind Size Milla Knifo	From Feet) 113' 41 rou 7 outs	To (Feet) 133*	d			
	8"1D 24 lb	above		Kind Size Milla Knifo 3/8 x	From Feet) 113' 41 rou 7 outs	(Feet) 133* nda to rou	d			
	8"1D 24 lb	above	145 '9"	Kind Size Milla Knifo 3/8 x 3	From Feet) 113' 41 rou 7 cuts Total	To (Feel) 133* nds to rous 287 out				
	3"ID 24 lb per ft	above	145 19 1	Kind Size Milla Knife 3/8 x 3	From Feet) 113' 41 rou 7 cuts Total	To (Feed) 133* nds to roun 287 out				
	3"ID 24 lb per ft	above	Statis	Kind Size Milla Knife 3/8 x 3 c water lev ping water	From Feet) 113' 41 rou 7 outs Total	To (Feet) 133* nds to row 287 out:				
	3"ID 24 lb per ft	above	Stati Pum at mea	Kind Size Mills Knife 3/8 x 3 c water leveling water 60 sured inter-	From Feet) 113' 41 rou 7 outs Total	To (Feet) 133* nds to row 287 out:				
	3"ID 24 lb per ft	above g. i.	Stati Pum at mea begs *Me	Kind Size Milla Knife 3/8 x 3 c water level in the second control	From Feet) 113' 41 rou 7 cuts Total rel 95 level 95 Minutes aft	(Feet) 133* 148 10 roun 287 cut: 5				
8"10	3"ID 24 lb per ft	above g. i.	Stati Pum at mea: beg; *Me Well	Kind Size Milla Milla Knife 3/8 x 3 c water lev ping water 60 sured fmax an. asured fron developed	From Feet) 113' 41 rou 7 cuts Total rel 95 level 95 Minutes aft m ground let by Bai	(Feet) 133* 148 10 roun 287 cut: 5				
8"10	3"ID 24 lb per ft	above g. i.	Statii Pum at mea. begg: *Me Well for Pow	Kind Size Mills Mills Knife 3/8 x 3 c water leveloping water 60 sured from developed	Prom Peet) 113' 41 rou 7 cuts Total rel	fi." for out: fi." fi				
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W	8"1D 24 (b per ft N N S.E/4 so \(\overline{\text{S}}\) R	above 9.1.	Statis Pum at mea begg *Me Well for Pow Rem pack	Kind Size Milla Knife 3/8 x 3 c water leveloped sured from developed A. From Feet) 113' 41 rou 7 cuts Total Tel 95 level 95 Minutes aft m ground li by 8at hours. 79 Pump gel packing, f shutoff)	free (Feet) 133* 140 roun 287 cut: ft.' 5 ft.' per minute er pumping evel. Ler pply. Hi cementing					
W MAKE MAKE MAKE MAKE MAKE MAKE MAKE MAKE	8"1D 24 (b per ft N N S.E/4 se	above g. 1.	Stati Pum at mea begg *Me Well for Pow Rem pack V	Kind Size Milla Knife 3/8 x 3 c water lev ping water 60 sured from developed an. assured from developed arks: (Grav kers, type o	From Feet) 113' 41 rou 7 cuts Total Tel 95 level 95 Minutes aft m ground li by 8at hours. 79 Pump gel packing, f shutoff)	free (Feet) 133* 140 roun 287 cut: ft.' 5 ft.' per minute er pumping evel. Ler pply. Hi cementing				
W W T/2	S#1D 24 (b per ft N SE.1/4 Sc GR COCATION ALL SQUAR	of WELE REPRESE	Statin Pum at mea begg *Me Well for Pow Rem pack	Kind Size Milla Knife 3/8 x 3 c water lev ping water 60 sured from developed an. assured from developed arks: (Grav kers, type o	From Feet) 113' 41 rou 7 cuts Total rel 95 level 9 gallons Francis aft m ground li by 86' hours. Tot Pump rel packing, f shutoff).	freel 133* 133* 140 roun 287 cut: 5				
W W W T/2 INDICATE EACH SMA	S.E. 1/4 S. E. 1	above g. 1.	Stating Pum at mea begg *Me Well for Pow Rem pack	Kind Size Milla Knife 3/8 x 3 c water leveloping water 60 sured from developed 4. aarks: (Grav ders, type o	From Feet) 113' 41 rou 7 cuts Total rel 95 level 9 gallons if the pound in the properties of the pound in the properties of the properti	ft. S. ft. ber minute or pumping evel.				

I received and filed this instrument for record on the 27 day of 1973 at 3:15 o'clock M, permanent files of Missoula County, State of Montana Witness my hand:

Dorothy L. Head, County Recorder

By M. M. County Recorder

By M. M. County Recorder

By M. M. County Recorder

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File No	- in	*. * * * * *			T.A.	2N R 19W
DUPLIC	LOG				F MON	nty Missoula CANA NDWATER CODE
	Top of Ground					ATION BOARD
	(Elev. above sea level_5140_ft					of Groundwater
	Dammadana Jana	A	\ppropri	ation	by M	eans of Well
	Formations Log:					UARY 1, 1962
	0 - 4 Topsoil. 4 - 111 Sand and		Chapter 237		a Session	Laws, 1961, as amended)
	gravel with				Addre	ss. Missoula, Montana
<u> </u>	some gray clay mixed					ss.Missoula, Montana
<u> </u>	in. 111 - 117 Sand and					
_	gravel.					ter None filed.
	117 - 140 Silty sand and gravel.	Date well sta	rted 5/25/	65	Date	completed.8/31/65
	140 - 145 Fine sand		Drilled.			ent used Cable tools (Churn drill, rotary or other)
	and gravel. 145 - 146 Coarse sand	Water use:	Domest		unicipal [
-	and gravel. 146 - 150 Silty gravel	A To 31 1	Industria	_	rainage [- .
	150 - 153 Sand and	met with in d	rilling, such	as soil, c	lay, shale,	I thickness of the different strate gravel, rock or sand, etc. Show
	gravel im- bedded in	strate and he				s and character of water-bearing a the well.
	orange clay.	Size of	Size and	From	To	PERFORATIONS
<u> </u>	•	Drilled Hole	Weight of Caring	(Feet)	(Feet)	Kind From To Size (Feet) (Feet)
<u> - </u>		6"	6 5/8"			Size (Pett) (Pett)
-	•		OD × 1/4"	0	137	Shop made
-						screen
├		A blank	ed Indne	avtan		5 9/16 136 148 ottom of hole.
-				020011		OCCOM OF HOLES
			N	_ s	tatic Wa	ter Level for non-flowing wel
		1		g	hnt-in Pr	feet
<u> </u>						Water Level
	Water rises in well	w			_	50gal. per minute.
 -	99 feet to surface.			D	ischarge	in gal, per min. of flowing wel
<u> </u>		 				Non-floring d Air Lift Pump
\vdash	Doc. No. 29 3570	L				Test 24 hours
-	Filed for record this day of day of day of day of day use	st	S			Gravel packing, cementing, pack
—	A. D. 19 70, at 4:35	- SW /4Sec.	20 T 12N R	Lyw		shutoff)Allwaterente
	o'clock_P_M.	Indicate loca place of use,	tion of well	and -	_	lliscomingthrough. inscreen
	[.	small squar		3 40 ·-		LNscreen
_		***************************************	***************************************			
<u> </u>						(Continue on reverse side
						cainage or other. Explain, stated data (i.e.: Lot, Block and Additional Control of the control o
	i	•	nately5.	acres.	6	
	Show exact depth of bottom.	***************************************	***************************************			
	Bottom of well 153 ft.	**********************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		••••••	
County (m to be prepared by driller, and three co Clerk and Recorder in the county in which by driller.	pies to be filed by the well is locat	y the owner wi ted, tissue copy	th the		52 Vr's License Number

Driller's Signature.

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9W 2 🛴)		•	Approved	Stock Porm-			Montana-4564	
ile No.)	•				тТ	$2 \sim R$	1700	20
UPLIC	ATE		,			Cour	ity. Me	sauls	
		LOG		ADMINISTI		IN MONT	ANA		
	Top of Grou	ınd					NGINEER	. CODE	
-	(Elev. above	sea level	Not	ice of C	omple	tion c	f Grou	ındwat	er
			F	\ppropri	ation	by Me		Well	
_	0=1 1=18	- Dlack Sirt & Cr - Clay, Gravel & :	•	(Under Chap					
-	18-25 28-30	Glay and Gravel Glay, Gravel							
		Traco of Water		P WELL OK	ILLING .	€	1522 5	. 14th t	.
-	30-36	Clay, Sand & Gravel	Driller	<u> </u>		Addre	88. <i>81</i> .1	i.lo.,Koni	cno
-	36-124	Glay, Rock and Gravel	Date of Notic	e of appropr	iation of g	roundwat	er	***********	**********
_	124 -13 3 . 133 - 135	7	Båte well sta	rtedXXX	4 125 0	Date	completed	Kaya12.	1262
-		Water	Type of well	og, driven, bor	ed or drille	Equipm	ent used		Mr.LLL.
-			Water use:	Domest	ic 🐔 M	unicipal [] Ste	ock 🔲 Im	
_			Ta Stant-	Industri	_	rainage [her 🔲	mant atuat-
-	}		met with in depth at which	on the diagra drilling, such	as soil, c	lay, shale,	gravel, ro	ck or sand,	etc. Show
_			strata and he					acter of was	er-nearmg
			Size of Drilled	Size and Weight	From (Feet)	To (Feet)		PERFORATION	•
_		ATER RESOURCES BOARD	Hole	of Casing			Kind Size	From (Feet)	To (Feet)
-	MONTANA W	CEIVED	8 11. D.	17 lu	diova				
- '		OV 28 1969		per ft.	5	135'		none.	
-	,,,,)							
_	<u> </u>			 	<u> </u>				
_			·	N	s	tatic Wat	er Level	for non-flo	wing well
_	Ì				7		no Jraw	dolyn1.1.	Zfeet.
	1						ssure for F	lowing Well	l
-	1				_ _E P			gal, per miı	
-	}		w	×	1 -			min. of fl	
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	ł	700-1	Indicate loca	ation of wel	land				
	1			re represent					
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_									
			numb	ed for irrigs er of acres a	ition, indi nd locatio	istrial, dr n or other	ainage or data (i.e.:	other. Exp Lot, Block	plain, state and Addi-
			tion).	1 11			,	*	
_	Ì			.t\$ 6 stat. f. 30tt	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***************		
	Show exact	t depth of bottom.	***************	.,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***************************************	*******************************	***************************************	••••••••••
ounty etained lease	Clerk and Recore by driller. snswer all ques	ed by driller, and three conder in the county in which	the well is loca	ted, tissue cop	y to be	Drille	r's License	Number Bakke	-
eturned	i.					ING (r's/Signatu & <i>clist</i> s	u. I-LY Lx=91	

I received and filed this Instrument for record on the 25-day of Nev. 1969.

of 1.9.0 o'clock M. permanent files of Missoula County, State of Montana Witness my hand.

Veramae B. Crouze, County Recorder Deputy Fee \$ 2.00

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GW 2)		•					•	
File No.	•	anger.	-	Appro	wed Stock Por	m-State Publ	lshing Co., Held	ma, Montana-4	15642 🌅 🌉 2
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DUPLIC	ATE							issaul	
		1.00	A WATER RESOUR		STATE	OF MOS	A TELATITE		
	Top of Ground	1	ECEIV	U	TRATOR FICE OF	OF GRO	indwate Enginee	R CODE	
-	(Elev. above s	ea level	OCT 4 196	tice of					_
				Approp	riation	PA W	or Gre	Undwa	iter
	0-5	Clay and ohu	mks of	DEVE	LOPED A	FIER JA	NUARY 1)T VVƏ]] . 1989	I
		rock		(Under Cha					
	5-10	Glay, gravel						-	
		ahunks of ro							
	10-110	Clay and Gra	Priller GL	enn Camp	••••••	Addr	ess <i>MI,</i>	aula, M	ntena
	110-135	Sand, gravel							
		water							
			Date well st						
			Type of well (I	ug, driven, bo	red or drill	Equipn ed)	ent used (Chi	Ghur.n	Dell. Lry or other)
-			Water use:	Domes	tic 🐔 🔉	funicipal [☐ St		rigation
 			Indicate	Industr		Drainage [□ Ot	her 🔲	
-	•		met with in depth at whi	on the diagradrilling, such	an the chi	aracter and lay, shale,	i thickness gravel, ro	of the diffe ck or sand.	erent strata
 			depth at whi strata and he	en water is e	ncountered h the wate	d, thicknes er rises in t	s and char the well.	acter of wa	ter-bearing
- I			Size of	Size and	From	To			
⊢ I			Drilled Role	Weight of Caring	(Poet)	(Feet)	Kind	From	To
-			6" I.D.	17 lb	1150		Size	(Feet)	(Feet)
-				per ft	above G.L.	135'			
 - 							NO	ME.	
 - 									
 - 									
				N	St	atic Wat	r Level i	for non-flo	wing wall
									1.1.1feet.
								owing Well	
				 	Fl Pu	imping W	ater Level	1.1	feet
			*					al. per min	
						scharge in	gai. per	min, of flo	_
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_		NE14S	EN	-	Re	marks: (G	ravel pack	ing, cement	ing, pack-
_ 1		Parmis	Indicate least	2 T./.2. R.				*****************	
_			Indicate locat place of use,	f possible. I	Cach			••••••	
_ }			small square acres.	represents	40			***************************************	
- 1			*****************						144440270222700224
_ [*********************				(Contin	ne on ross	
-			UPE-II used	for irrigati	on indus	المسال المأسط			
— J			tion).	of acres and	2001011	or orner d	ata (1.6. : L	ot, Block a	ınd Addi-
- [***************************************			******************	••••••••••	****************	*************
s	how exact depth	of bottom.	***************************************	******************		**************	***************************************)	************
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his form to	be prepared by dr	iller, and three copies	s to be filed by t	he owner with	the	L	icense_i	7	
tained by d	and recorder lit f	he county in which th	ne well is located	, tissue copy t	o be		License N		
ease answe	er all questions. I	f not applicable, so	state. othomics	the form will	1 %	-J	Kun	10	4-
turned.			, Unicrwise	MIC TOLIU WIL	ı De	Driller's	Signature.	Glend	Camp

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DDELIGATE LOS STATE OF MORTANA ADMINISTRATOR OF GROUNDWATER GODE Typ of Ground (Rier, above ass lavel	QW 2	,	,		Approved	Stock Form-	State Publishin	g Co., Helena,	Montana - 45642	*
Top of Ground Top of	File No.	***************************************			A					
Top of Ground Top of	DUPLIC	ATE					Conn	v M	marc	la!
Top of Ground (Eier. above sea level			LOG			STATE (
Notice of Completion of Groundwater Appropriation by Means of Well DEVELOPED APTER JANUARY 1, 1962 (Inder Chapter 27, Montana Session Law, 1961) 111-123 Sand and Gr vel 111-123 Sand and Gr vel 126- 126- 126- 126- Date of Notice of appropriation of groundwater Address. "Lilia. Senata Lilia Address. "Lilia Ad									CODE	
Appropriation by Means of Well DEVELOPED APTER JANUARY 1, 1983 (Indee Chapter 27, Montana Session Laws, 1981) Owner. Cort. Cort. 111-123 Sand and Great 126- 127- Date of Notice of appropriation of groundwater. Date completed. Type of well Type of well Regiment used. January or other) Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other Industrial Drainage Industrial Industria		_		N1-A	_			_	l	
Description of State Water Lavel for non-flowing well with fulfilling, such as soil, clay, shale, gravel, rock of sand, state of such as well started with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, the labeling of the water rises in the well. Doc. No. 190063 ided for record his 1.5. day of Maria and three copies to be filed by the owner with the country Clerk and Recorder in the country Clerk and Recorder in the country of well and place of two filed for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.; Lot, Block and Addition). Show exact depth of bottom. Diller Address. !!!ii.c Sanich		(Elev. above	sea level							€ '
Convert and topwell (Under Chapter 237, Montana Session Laws, 1961) Clay and Gravel Clay and Gra	L			•						
Owner Cord Total 111-123		0-1	Gravel and topse	it		2		_ '		
Date of Notice of appropriation of groundwater. Date of Notice of appropriation of groundwater. Date completed	L	1-111	Clay and Gravel		•	•			•	
Date of Notice of appropriation of groundwater. Date of Notice of appropriation of groundwater. Date completed	-	444-428	Sand and Co. wat	OwnerCar	roll.	7-1.7.0	Addres	e elille		
Date well started	-	111-123		Driller		Υ	Addres	 	itaitainissassassassassassassassassassassassassa	• ••••••••••••••••••••••••••••••••••••
Date well started	_	128-		Date of Notice	ce of appropri	ation of g	roundwate	T	*************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Type of well. Cug., driven, bored or drilled Stock Cug., driven, bored or drilled Stock Chreat Chreat Chreat Chreat Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well. Doc. No.	-									
Water use: Domestie [Municipal Stock Irrigation Industrial Drainage Other Indicate on the diagram the character and thickness of the different strate met with in drillings, such as sold, day, shalls, graved, rock or sand, etc. Show depth at and height to which the water race in the well. **The strate of the water race in the well.** **Doc. No	-		Water						•	•
Water use: Domestie [Municipal Stock Irrigation Industrial Drainage Other Indicate on the diagram the character and thickness of the different strate met with in drillings, such as sold, day, shalls, graved, rock or sand, etc. Show depth at and height to which the water race in the well. **The strate of the water race in the well.** **Doc. No	 -			Type of well	ug, driven, bor	ed or drille	Equipme d)	nt used (Chu	n drill, rotar	y or other)
Indicate on the diagram the character and thickness of the different strate net with in drilling, and has soil, day, abide, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the will. Doc. No.	一	l			Domest	ic 📑 M	unicipal [] Sto	ek 🔲 Irr	
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strata and height to which the water rises in the well. State Prince				met with in	drilling, such	as soil. c	lay, shale,	gravel, roo	k or sand,	etc. Show
Doc. No. 280268 iled for record his				strata and h	eight to which	the wate	r rises in t	he well.	CCC OF ME	ci-hear mg
Dicc. No								7	ERFORATION	· · · · · · · · · · · · · · · · · · ·
Doc. No. 290263 iled for record his 5 day of Amile L. D. 19 70., at 10 40 Shut-in Pressure for Flowing Well Pumping Water Level. 1.1.5. feet at 1 mental revel. 1.1.5. feet at 1 mental				Hale	of Cooling	1 "	1			
Doc. No	L			10	17 16					
Static Water Level for non-flowing well 123 feet. Shut-in Pressure for Flowing Well. Pumping Water Level. 112 feet at 1 gal. per minute. Discharge in gal. per min. of flowing well How Tested. 124 Length of Test. Leng	_	j			per 11.				nont	
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his 12 day of 12	-					1	11			()————————————————————————————————————
Pumping Water Level 112	· -	his	day of abril		N .	s	tatie Wat	er Level		-
Pumping Water Level. 11	 -	A. D. 19_ <i>ZO</i>	, at 10:00				hut in Dans	······································		
Discharge in gal. per minute. Discharge in gal. per min. of flowing well How Tested. Length of Test. Remarks: (Gravel packing, cementing, packers, type of shutoff). (Continue on reverse side) USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form will be returned.		b'clocka	м.						_	
How Tested Length of Test Remarks: (Gravel packing, cementing, packers, type of shutoff) Indicate location of well and place of use, if possible, Each small square represents 40 acres. (Continue on reverse side) USE—If used for irrigation, industrial, drainage or other, Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition). This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form will be returned.		1		w			at		gal. per min	nute.
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110361			nons. II not spyncaois,	BU BULVE, ULHER	mio and form	50	Drille	r's Signati		O.L
G-V-V									4636	1

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I received and filled this instrument to record on the 15 ton of April 20, 20 to Missoule County, State as Mamana Witness my mand Vacanne Re Course County invocates by Post 100 to 100

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SEIVED

Top of Ground

HAY 5 1972

DRILLER'S LOG Indicate the character, color, thick-

ness of strata such as soil, clay, sand,

gravel, shale, sandstone, etc. Show depth at which water is found and

height to which water rises in well.

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed

which the	ner with the well is loca	e County C ted, last a	cierk and opy to i	nd three co d Recorder be retained	in the cour by driller.	ity in	President O	700 1811	black soil & graval	
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TOTAL THEY	Se relothed	·					105	بيب.	hearing send & water	
Owner Life	nel D.H	-11							THE PERSON NAMED IN COLUMN	
				For Admir	nistrator's U	se				
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com	a.K. betelq	y3197	2[
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iype or we	## ***********************************	••••••	(Da	ıg, driven, bored	or árilled)	********				
				Zhura drill, rotar					~~~~~~~~~~	[
Water Use:	: Domestic	Mun	icipal [] Stock [] Irrigatio	on 🔲				
Indi	ustrial 🔲	Drainage	П 04	her 🗀 *	Garden /I au	F7				
			<u>.</u>		O 61 O 611/ C4 P	··· 🚨				
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and A	Addition)				• • • • • • • • • • • • • • • • • • • •				د الله الله الله والله الله والله عن هذا هـ هـ .	1 1
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Driller's Si	gnature	19.65.18.22h.c.								1
Deillara A	dd:	£w1	- V	. •				1		1

134 Show exact depth of bottom 50,327

I received and filed this instrument for a second on the 12 day of many 1922 at 1000 octock. M. perminent time of Missoula County, State of Montano Witness my hand Veranne R. Crause, County Recorder By 20. 1000 County Paid L. Paid L. Paid L.

eturned.

2394 III I received and filed this instrument for record on the _____ day of ______ 1973 at _______ 20 clock ______ Mr permanent files of Missoula County, State of Montana Witness my hend:

Dorothy L. Head, County Recorder By _______ Deputy Fee \$ ______ Paid

38 C

. -

Date of Appropriation of Groundwater JUNE 1730

File No.

R /7 1V County MISSOUIC

DUPLICATE

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

(Under Chapter 237 Montana Session Laws, 1961)

	Owner L. D. Als C. H. of h. Address M. 15.5 on la, Morit
	5
	Contractor (if any)
	Address of Contractor
	Date Started June 17.20 Date Completed June 17.3.0
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable Day out Serving 111111.
	5'x5'by 3'despuite pipe trans
	10 hour ou democile + Statheuse
V F	

	Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent
	estimate approximate lengths of periods of use
NFLSHIALEL, Bec. D. T.LIW R.L. T.W	
Indicate point of appropriation	nece X 35,000 galling yearly
and place of use, if possible.	Estimited by Single Concy Use
	+ alge Ja 5 bird of Stift
	Signature of Owner Ship Succession Date 17/3/63
	Date 12/3/63
This form to he areased by contracts	

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

12/8

Trees Copy Start P Dec 1963
at Dermonen files
of Merchale was to be defended to be from the Williams with the Secondary
By Martin S. Be hale Deputy
For 8

PLICATE		SEP 23 1970				R	Tusson	. 11-
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(Elev.	above sea level	•	ice of C		-			er
			Appropri					
_ 0- 4	30 Gravel and cl	ay	r Chapter 23			UARY 1,		aad)
. [(Onde	r Onapter 20	. Montan	a Session	•	r, as amen Creek	ieu)
-		Owner Robe	rtLWa	rthen	Addrei	Misson	ila, Mor	itana
80-	37 Clay	Driller.C.K.	C. Drill	ing	Addre	ss.Box67	?OMles	oula
-	·	Date of Noti	ce of approp	riation of	groundwa	ter		
87-1	7 Gravel and cl	ay Date well st	arted Aug	4, 197	0Date (completed.	lug10	197
		-	.drilled				_	-
-		(I	oug, driven, bo	red or drille	ed)	(Chu	rn drill, rota	ry or ot
107	Static water level	Water use:	Domes Industr		unicipal [Prainage [ock 🗍 🛮 Ir:	rigation
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107-1	33½ Sand, gravel,	depth at whi	drilling, such ch water is er	ncountered	l, thicknes	s and char		
- [and water		eight to which			the Well.	·	
·		Size of Drilled Hale	Size and Weight of Casing	From (Feet)	To (Feet)	Kind	PERFORATION	
-						Rise	From (Feet)	(Feet
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- 1		place of use	, if possible. re represen	Each	•			····
-	•	acres.	-	••			***************************************	
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Show	exact depth of bottom.	***************************************		*************	***************************************		•	
		***************************************		······································	•	·······	••••••	*********
						40-	***********	

Driller's Signature.

I received and filed this Instrument for coord on the Land of the Land of 10 of Missocial County, State or Monation Witness my hand:

Veramos R. Croyse, County Seconds:

By hand Canthon Ch. Deputy Fee S. J. L. C. C. C. Paid

DRILLER'S LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEC 2 1971

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

(Onder Chapter 257 Montana Session Laws, 1901, as amended)
This form to be prepared by driller, and three copies to be filled by the ewner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.
Owner Robort La Jarthen Es Adol-March

Address Hillon Oneok	File310032 42304
.Nissoula, ontana	Nov. 29, 1971
Date well started April 9. 1971	
completed April 17, 1973	
Type of wellDrillod	Dug, driven, bored or drilled)
Equipment usedChurn.drill	(Churn drill, rotary or other)
Water Use: Domestic 🔟 Municipal	Stock Irrigation
Industrial C. Duringer C. C.	w

USE:	If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block
	and Addition),

Stee of Drilled Hote	W	e sord edgest Conting	į.	a)	(Feet)) ·	ERFORATION	18
Mese	"`					Kind Size	From (Foot)	To (Feet)
6•	6"	17 %	1급	up	132			
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		3	(
*				
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	-			

Static water level103ft.
Pumping water level105ft.
at30gallons per minute
measured Cominutes after pumping
began.
*Measured from ground level.
Well developed by and lower
forhours.
Power Pump.min.min. HI
Remarks: (Gravel packing, cementing

¼ . <u>S</u> .	L. 1/4	Sec20	···· .	
	N R	1941	EP.4	Ž
	ร		₩ ~	.,

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

EACH SMALL SQUARE REPRESENTS 40	ACRES,
EACH SMALL SQUARE REPRESENTS 40 /	Milleste me,
Driller's Address C	45. P. O. 1. 105 670
Missoula. Lontana	LICENSE NO 185

Indicate the character, color, thickness of strate such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

From (Feet)	Te (Feet)	
Δ	(1.00)	Grad Gravel and
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103		clay Static Water level
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		LOG		ADMINIST		OF MONT		COD#	
_	Top of Gr	ound				ONSERV			
	(Elev. abo	ve sea level) Not	tice of C	omple	etion o	f Grou	ındwat	er
⁻			4	Appropri					
_						TER JAN	<u> </u>		
	0- 74	Gravel and clay	, (Unde	r Chapter 23	Montar	a Session	Laws, 1963 Miller		ded)
-			OwnerRob	ert L. We	rthen.	Addre			tana
.			DrillerQ.	K.C. Drij	ling	Addrei	Box 67	O,Kiss	oula
-	74- 82	Clay	Date of Noti	ice of appropr	iation of	groundwa	ter		
•				artedOct		_			
.	82_112	Gravel and		IIDrill					
_	02-112	clay	(1	Dug, driven, bor	ed or drill	ed)	(Chu	rn drill, rota	ry or other
- 1			Water use:	Domes: Industr		Iunicipal [Drainage [=	xek □ Ir. her □	rigation [
-	112	Static water		on the diagra drilling, such					
٠ ا		level	depth at whi	ich water is exeight to which	countere	d, thicknes	s and char		
-			Stee of	Size and	Prom	7.	7		
_	112-135	Sand, gravel, and water	Drilled Note	Weight of Casing	(Fost)	(Feet)	Kind	Free	19
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_				N		itatic Wat	er Level	for non-flo	_
_	Dog No	2, + 22-	_			llutin Pre	umme for 1	kk Flowing W	fee
	Filed for .	<u>310033</u>						111	
	this 2	9 day of May.	l į	1 :				nar minn	
- 1		10,000	_*			at30			
	o'clock	9_day of Nov.	_"					min. of fl	
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This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Driller's License Number

Charles Holling Corner Driller's Signature.

20 6.5 3/0033

I received and filed this instrument for record on the 29 say of New 152/c. 1.15 of clock f. M. sermanent files of Missoula County State of Montano Witness my same Varennoe R. Crouse. County Recorder By Additional Recorde

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RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE MONTANA WATER RESOURCES BOARD

DRILLER'S LOG

JAM 2 3 1973 indicate the character, color, thick-

A	PPROPRIAT		•	ANS OF	WELL	an DES VIID	COMME	depth height	at which water is found and to which water rises in well.	į
(Under C	hapter 237 Mc				as amend	ad)	Tan af	Grauna	1	.
This form 1	to be prepared	bv d	riller, and	d thise co	nies to he	filed	From	To ·	pprox (Elev. above sea level) 3520	=
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	er all question					e the	0_		Gray gravels with orbiblestones & boulders	=-;
form may b	e returned.				-,				mixed in	
o 75	war a wa	~na~					77	25	Tan gravel with cobble stones & boulders mixe	
G	ger A, We		_	For Admir	nistrator's U	se			in	
Address 1	15 6 5th.	Web	t Fi	ile <i>2401</i>	32700	8	_25_	_65	Light gray silty grave with cobblestones and	91 .
Missoul	a, M o ntan	a		7- 12	1972	- [boulders	
			1//	Jan. 17			65	126	Tan gravel with cobble	
Date well s	started 2/11/	7.2	G	W 1 <i>.!.Q.</i> :	00 P.12	2			stones and houlders	
com	pleted 2/18/	72	ļ				126	131	Silty sand and gravel	
			_				1 02	105	Seen	
Type of we	Drille	d		driven, hored	or drilled)	*******	131	_ <u> </u>	Brown silty sand and gravel. Water	
Equipment	used Cable.	Tool	.e	,, 411.011, 00104			135	137	Light tan coarse sand	
			(CI	hurn drill, rotar;	or other)	••••••			and gravel Water	
Water Use:	Domestic 🔀	Mur	icipal 🗌	Stock 🏝	Irrigatio	on 🎦			حب کا کار نزر زیب چنا کا بہ جا اس میں سے سے نے بند سر ب	
!ndi	ustrial 🔲 Dr	ainage	□ Oth	ner □*	Garden/Lav	vn ¥F∃				
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Driller's Sig	Angiois f f	7	F(7		Will the second	-				
Driller's Ad	ddress .2500.	kese	rye			*****				

LICENSE NO. 52

137 ft. _ Show exact depth of bottom Water rises in the well 113 feet from surface

I received and filed this instrument for record on the 12 day of 1973 at 22 da o clock 4 M. Sermanent files of Missoula County, State of Montana Witness my hand:

Dérothy L. Head, County Recorder By 20 10 County Paid County Fee \$ 2.00

upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.

25

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and the second s	_A orean		artin s		CONTRACTOR IN A PART OF THE PA	Resignation of the
GW 2		Approved	Stock Form-	-State Publish	ing Co., Helena, Montan	1-423½,
File No				Т	12N R 191	, 21,22
DUPLICATE	\ \					
	30		STATE (Cou Mong	nty Missoule	1
LOG Top of Ground	 1	ADMINISTI OFF	RATOR O	F GROUI	TANA NDWATER COD NGINEER	E
(Elev. above sea level3202	X. No	tice of C	omple	tion c	of Groundy	vater
Formations Log:	-	Appropri	ation	by M	eans of Wo	
0 - 84 Gravel mi	ed				TUARY 1, 1962	·••
in tan cla	у•	(Onder Chap	ter 201, A	_	Session Laws, 196	·
84 - 86 Green & gravel.	dud Owner Hr.	Robert	pBana	rr ûş ggre	Catherine H. I	Janaugh ∙…M ont ana…
86 - 99 rearly gr	ded DrillerLik	erty-bri	lling(Addro.	³⁸ સિંકકનમ-દેવ-	yMontana
Eravel am		ice of approp	riation of	groundwa	iter.N one£1. 1	ed
imboddod :	-	arted6/12	/68	Date	eompleted.6/27,	/68
59 - 101 madly tro	43.1					
red rock.	(Dug, Driv	en, bored or dri			ent used Cable . n drill, rotary or otl	
101 - 112 Endly bro		Domestic Industrial	_	icipal 🔲	Stock 🐔 Other 🗀	Irrigation 🗷
bedued in clay.	Indicate	on the diagra	m the cha	racter an	d thickness of the	different strata
_ 112 - 113 Broken re	l rochet with in	drilling, such	as soil, ci	lay, shale, i. thickne	, gravel, rock or s ss and character o	and, etc. Show
- 112 - 121 Broken re	strata and h	eight to which	h the wate	r rises in	the well.	- waster goal mig
_ in tan cl	y. Size of	Size and Weight	From (Feet)	To (Feet)	PERFOR	ATIONS
121 - 129 Very silt	Hole	of Casing	}		Kind Pro-	
_ Some silt	, en	6 5/8"		}		
water. T	oo lirty	x ¼"	+2	209	NON	E
_ to succes	arully	}	1]]	
develop w		ļ		1	{	
	rown clay	<u> </u>				<u> </u>
137 - 148 Very silt		N	St	atic Wat	ter Level for no	on-flowing well
_ Some silt						-1-28feet.
- 148 - 154 Broken ro	ck				ssure for Flowing	
imbedded	in tan		.1		Vater Level1.8	
- 154 - 177 Brown sil	ty W	550	x		gal. per n	
sand and Seeps of			1	menurge :	in gal. per min. (on howing went on flowing.
177 - 181 Very silt			н	ow Tested		•
and grave						me-half-hrs
water.		8	\mathbf{R}		(Gravel packing, c	
181 - 201 Fractured rock. Cla		Se c 21 8 4.22.T 1.2N	6:1			rater enter-
in scams.	mines of me	c22. T12N cation of wel c. if possible.	Each ro			tures in the
201 - 213 Fractured rock. Wat	small squa	ro represent	s 40 We	LIBII	wenter area	cannaas-
- 1	sand fre	e water	vear aí	ter (inon to long	is they are
rock. Wat	ratusno	L.L.L.L.L.	ess of	40 to	50 (Cuant	off Feveral side)
F	toretar d	ap 462 in high	tion, the	<u> </u>	rainage or other.	Explain, state
	numi tion)		na location	or other	r data (i.e.: Lot, l	Slock and Addi-
 •	•					

Water rises in the well 128 feet from surface. Show exact depth of bottom.

Bottom of well 213'

is form to be prepared by driller, and three copies to be filed by the owner with the inty Clerk and Recorder in the county in which the well is located, tissue copy to be sined by driller.

are answer all questions. If not applicable, so state, otherwise the form will be irned.

Driller's License Number Driller's Signature

I received and filed this Instrument for record on the 23 day of May 1949, at Missoula County, State of Montana Witness my hand:

Veganae & Crouse, County Recorder By Marty Deputy Fee S. 20 and Said

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE

Developed after January 1, 1962

807 8 1072

DRILLER'S LOG

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WATER RESOURCES BOARD

MONTANA DEPARTMENT OF MANAGEMENT OF height to which water rises in well.

(Under C	hapter 237	Montana	Session	Laws, 1961	, as amend	ed)	Top of	Ground	Approx (Elev. above sea level) 3500	٠.
by the ow i	to be prep ner with the well is loca	e County	Clerk and	d Recorder	in the cour	filed nty in	From (Feet)	To (Feet)	Black topsoil	
Please ansy	ver all ques be returned	tions. If i				e the	2		Gravel, cooblestones boulders	<u>&</u>
Ċ	inton E	. E					-17	45	Sand and gravel mixed	1
	ily af	Carlso	n	For Admi	nistrator's U	se	45	-30	in tan clay Tan clay with gravel	
Address	ute 5	,,,,,,,,,,,,		110#236	6:3241	14	50		& copplestones mixed	
mi	, sivoaa	Monta	na	Nov. 2/1.	22 2:00	am			boulders & gravel mix	
D-1!!	started 5/	21/69	ł	•	•	×	52 63		Clay & boulders mixed Purple & gray rock	
				3W 1			101	152	Green & gray rock Purple and gray rock	
	pleted							~	WATER	
Type of we	Drill	ed				••••••	275 311	311 349	Green & gray rock Purple rock	
Equipment	used Walt	le Toc	ls & 7	ir Rota	ry				Light gray rock	
	: Domestic		"	Butu drug four	y or other)	¥	NOTE	:	a test noie was dril	Led
Water Use:	Domesiic	EI MU	micipal [STOCK [Irrigatio	on 🖂			from 2/5 to 405 ft	
ind	ustrial [Drainage) Ot	her 🗀*	Garden/Lav	vn 💆			of Water Was picked	<u> </u>
*Describe			**********		************	********			in a series of small seeps & is available	
USE: If use state	ed for irrig	gation, inc	dustrial, d	drainage or	other. Ex	plain, Block			to pump	
and A	Addition).	anyon	Villag	re #2, 1	ract #3	23				, ;
				3,679,20						ł
	ANNUAL 1		VYAL	1						i 1
Size of Drilled Hole	Weight of Casing	(Feet)	(Feet)	I	From	·				
7"	6∰" OD			Kind Size	(Feet)	(Feet)				
	x ⅓" 4⅓" OD	+ 3	64'4	1	•					
	x .188	liner		1	1	1				
	}	53'4"	338, 8	Torch	357140	186'11'				
				Cut	15/-4	199.11				
	א		Stat	ic water les	,, 80	£+ +			ه واحد الله الله الله الله الحد الحد فيه سيبه الحد وحد وحد حجه البرد خو	
			Pun	ic water lev oping water	· level	tt."				
		1	at . mea	sured 180	gallons minutes aft	per minute, er pumping				
w		 	bea	an.						
		1	We	easured from		Lift Pu	.B		: می جبد جب جب این میا جب به داند نی <u>ه مید سی می خب سا</u>	:
	*		tor		I.hours. Pump					
			Ren	narks: (Grav	vel packing,	acementing.	ar			
cn.	S CW	21		ering w						
T 12	SW 14 Se	er 21	x the	m crack rock b	elow-15	2 feet				
************	35	<u>v</u>	w and	hrough	perfora Co	nt d				,
INDICATE	LOCATION	OF WEL	L AND P	LACE OF L	JSE, IF POS	SSIBLE.				
	ALL SQUAR	BERTY	Zanta.	ig comp	ANY				يو پروان هايد وادي داران	ł
Driller's Sig			- F-F	. . •	NO.	Mag-1. ******				
Driller's A	ddress	00 Res	erve S	treet	***********					<u></u>
Miss	oula, M	ontana		LICENS	E NO52		405 Water		Show exact depth of bottom	

from surface.

51,744

I received and filed this Instrument record on the dry all the first ment of Missouls County State at Mantana Witness my hand
Veramas R. Crouse, County Isouraus By County State of Mantana Des

Note: A test hole was drilled from 275 to 405 ft.. An additional 5 GPM of water was picked up in a series of small scaps and developed by bailing the well and is available to the pump.

W 2	•	Approved S	itock Form—S	tate Publishing	Co., Helena, I	Montana-4047	-21.
ile No		•		_	12 N 3		. •
OUPLICATE		Administ Cy	RATOR (C OF MONT	ANAD)	I s sou	ÝĒM
Top of Ground	_			~		IPR 26	
(Elev. above sea levei) P	Notice of (
-		Appropi					MEEN
O to 1. Topso11						•	
1' to 70' Broken rock &		loyd E. Der		Address			********************************
- clay	Driller	Glenn Cemp '	705A1c.:	Address	Mesoul	e, innt	
70' to 110' Loose sand,	Date of	Notice of Approp	riation of	Groundwat	e r .	************	
gravel & CIAY	Date we	ll started 2/19			-		
	Type of	well Drillad			ent Used		T111
- 110° to 114° Sand, gravel	drille	iriven, bored or i)		(Churn other)	, drill, rotar;	or or	
& water		Use: Domesticië Industrial [_	nicipal [] ainage []	Other [Stock [rigation 🗌
114' to 118' Clay & grav		•	_		_	_	. 3100
- 118' to 122' Sand, gravel	strata n	dicate on the di- net with in drilli	ng, such a	s scil, clay,	shale, grav	el, rock o	r sand, etc.
& water		epth at which wa strata and heigh					r of water-
122' to 129' Clay & grad	Size of	Sise and	From	To		ERFORATIO:	40
- 129° to 131° Sand ,grave	Drilled Floid	Weight of Casing	(Feet)	(Foot)	Kina	From (Fest)	To (Feet)
8 water.	6*	6*1.D.	1	DVB G,L.			
		18,97 #	to 1	32'-1"		None	
1			•	٠.		,	}
			•	}			
- N	St.	atic Water Level	for non-fle	wing Wall	105	from G	L. feet
	7	ut-in Pressure fo		_			
	1		•		t at. 15		
_		amping Water Lev				_	-
10	E Di	ischarge in gal, p	ermin, of ent pump	_	11	1 h	
- "		DW Tested		Leng	th of Test.		*******
- λ	Re	emarks: (Gravel					
				se of grow tinent info			
		acres in	rigated, if	used for in	rigation)		
- NW14.NE 800.21 T.12 R	1900		,				
Indicate location of well		******************	•••••••	····			***************************************
place of use, if possible. E small square represents 10 ac		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	······································				***************************************
Show exact depth of bottom.		***********	*************	1 4			
land the state of				*********	ince // 7 's License	*********	
				المستحدث المستحدث	9/	, /	
				Driller	'a Signatu	v Ca	up

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

I received and filed this Instrument for record on the 22 day of April 1945, at Missoula Cowity, State of Montana Witness my hand:

Verama R. Crouse, Caunty Recorder By Martin A. Martin Deputy Fee \$ 2 and 1 and 2 and

1.4

NOV 29 1972

DRILLER'S LOG

ADMINISTRATOR OF GROUNDWATER CODE

ADMINISTRATOR OF GROUNDWATER CODE

MONTANA WAYER RESOURCES BOARD

IDNITANA DEPARTMENT OF WELL OF strate such as soil, clay, sand,

NOTICE OF COMPLETION OF GROUNDWATERURGES AND COMPLETE AN

-				:ANS OF ry 1, 1992	WELL			height	to which water rises in well.	
(Under C	hapter 237	Montana	Session	Laws, 1961	, as amend	ed)	Top of	Ground	(Eler, above sea level)	
by the own	ier with th	e County	Cierk an	nd three co	in the cour	filed	From (Feet)	To (Feet)	Well: Miller Creek	
which the	well is loca	ated, last	copy to	be retained cable, so sta	by driller,	-	_0_		Black topsoil & graye	
form may b	se tetnived	ilons. If i	тог арри	Cable, So Sta	ie, otherwis	e the	7	15	Brown clay and prayel	
Owner Re	abort Fo	reggn					15	78	tan olay and arayel	
			••••••		nistrator's U					
S. szerbbA	218 S. 7	th 17.		File#23.	•	1	78	86	brown elay & arayel	
M	lesoula,	Monten 5980	<u>a</u>	Nov. 22,1	1922 1:4	15000	86	98	tan clay and orayel	
Date well s	started Ce t		000	GW 1		· 1	98	110	gray glay and broken rock	
com	pleted Nov	. 17, 1	972	**************************************			10	115	broken rock & seep of	
Type of we	di Def	lled	•	، وحورت مهمنا والمساقد المساقد			115	136	braken rock & gray old	
••				ug, driven, bored	or drillad)	••••••				
Equipment	used	rn Ortt		Churn drill, rotae	y of Other)		36_	140_	Broken Took Seep of Water (1 apr)	
Water Use:	Domestic	🛍 Μυ	nicipal [] Stock [] Irrigatio	on 🗀	40	270.	Arokee Rook	
Indi	ustrial 🔲	Drainage	0 0	ther 🗀*	Garden/Lav	vn 🗀				
#Describe	_	_	_	_						
				drainage pr						
state	number of	acres and	location	or other da	ta (i.e. Lot,	Block				
and A	Addition)		·····	***************	**********					
ESTIMATED	ANNUAL	WITHDRA\	WAL	*******				<u> </u>		
Size of Drilled	Size and Weight	Frem (Feet)	(Feet)		PERFORATION			 		
6#16	6% F. D.	2%	192%		Pyon (if eat)	To (Feet)				
	17 lb	above g.l.		COCHMENN:	1101	1401				
	5"10			Maryland Maria	4 hole	s to rd				
5" plastí	plasti	0190*	270*	MALTO	2' api					
liner	ļ		}	3/6 x	60 70	95				
				"						
	<u>м</u>	<u>-</u>	Sta	tic water le	vel 102	ft,*		 		
			Put	mpina water	level ##	260 ft.	,			
			at me	asurad 4	gallons រុ	per minute er pumping	<u> </u>			
w			_ be	gan.						
			We	leasured fro ell develope	by ball	evel. ler			. بند سر چه خد ده ده خد ده ده به جد به به به د	
]			for	wer !Xxes	hours.	opely u				
1	×	1	Re	marks: (Gra	vel packing,	cementing				
	5		pa	ckers, type o	of shuloff)	····	 	 		
	<u>Σω</u> _{1/4} s		: ''''	7.1 1		••••••				
T	2(N)R S	/	₽ -4 ⁷ } ∇)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	·····	·····		 		
INDICATE	LOCATION	OF WEL	L AND	PLACE OF U	JSE, IF POS	SSIBLE.		L		
EACH SMA	ALL SQUAR	E REPRESE	ents 40	ACRES.						
Driller's Si	gnature	MP TIL	1616	Laine	No VIDE					
	,			THE WAY	me ourel	• • ·			+	

Show exact depth of bottom

GW 2		STATE		Approv	ed Stock Form	-State Publishin	ng Co., Helena,	Montana-4193	
File No.	91. 01010 .1	STATE WATER L	E I V	FON BOOK		T.	12N	190	W
DUPLIC		SEP 3	ina			o	ounty	11550	ula
		BEFEREND TU.	1305	ADMINIS		OF MONT		CODE	
	Top of Ground					STATE E		V	
 	(Elev. above sea leve	el)		Notice of					er
				Approp	ria <u>tion</u>	by Me	eans of	Well	
0		_		(Under Cha	apter 237,	Montana S	ession Lav	s, 1961)	
105	Clay Sand Gran	AeT	Owner	Jenes R. Po	X	Address	Hiller	Greek	
130	Sand & Water		Driller	JohnJarrel	1	Address	Ar2.e.	Mont	······································
130	Į.		Date of	Notice of Appro	priation of	Groundwat	ter	************	
131	Enter & Gravel		Date we	ell started ång.	- 16.1965	Date Co	mpleted.A	18.24.19	65
-				wellDrille					
 				driven, bored or			, drill, rotar		
 				Use: Domestic	Mu Mu	nicipal 🗇	Other] In	rigation 🛭
				Industrial		ainage 🗌	Stock		J (M
				dicate on the dimet with in drilli					
 	l		Show d	lepth at which w	ster is enc	ountered, tl	nickness an	d character	
- - - - - - - - - - - - -	i	_	bearing	strata and heigh	ht to which	1 water rise	s in the w	oll,	
			re of Med	Stee and Weight of	Prom (Foot)	To (Post)	,	ERFORATION	18
1 1	1)			
-	}		6#	(6" 18.97		131	Kind Sine	From (Fact)	To (Feet)
-			lele	Coston					
			lele	Coston					
			lele	Coston					
			lele	Coston					
	Х	Service Servic	6*	(6" 18.9?i	0	121	Sino	(Paul)	(Post)
	N	Service Servic	6* 81	Coston	for non-fi	151°	Bine	(Feet)	Greece.
	N	Service Servic	6** St	(6" 18.9?	for non-fl	151° owing Well	Blac	(Post)	Creed.
	N	Service Servic	81 82	tatic Water Level	for non-fi	owing Well Well 305 fee	et at	10 2 gal.	tfeet.
	W	Service Servic	St. St. P. D	(6" 18.9?	for non-filer Flowing	owing Well Well MO5 fee	et at	10 2 gal.	feet.
		Service Servic	Si Si Pi D	tatic Water Level aut-in Pressure is umping Water Levischarge in gal.	for non-fl for Flowin	owing Well Well JOS fee	et at	10 2 gal.	feet.
		Service Servic	Si Si Pi D	tatic Water Level hut-in Pressure is umping Water Level ischarge in gal. 1 iow Tetata	for non-fl for Flowin ovel	wing Well Well JO5 for flowing well cementing, use of groun	et at	2 gal.	feet. feet. per minute. utoff, loca- ll, and any
		Service Servic	Si Si Pi D	tatic Water Level aut-in Pressure is umping Water Level ischarge in gal. 1 iow Tea	for non-filer Flowing or min. of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing of the packin	owing Well Well MO5 fee flowing w cementing, use of grou	et at	2 gal.	feet. feet. utoff, loca- ll, and any number of
	*		Si Si Pi D	tatic Water Level aut-in Pressure is umping Water Level ischarge in gal. 1 iow Tea	for non-filer Flowing or min. of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing of the packin	owing Well Well MO5 fee flowing w cementing, use of grou	et at	2 gal.	feet. feet. per minute. utoff, loca- ll, and any
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133	Indicate location place of use, if small square rep	1. T./2 NR. 17. n of well and possible. Each resents 10 acres	Si Si Si Si Si Si Si Si Si Si Si Si Si S	tatic Water Level aut-in Pressure is umping Water Level ischarge in gal. 1 iow Tea	for non-filer Flowing or min. of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing of the packin	owing Well Well MO5 fee flowing w cementing, use of grou	et at	2 gal.	feet. feet. utoff, loca- ll, and any number of
133	Maly Su Sec. 2. Indicate location place of use, if	1. T./2 NR. 17. n of well and possible. Each resents 10 acres	Si Si Si Si Si Si Si Si Si Si Si Si Si S	tatic Water Level aut-in Pressure is umping Water Level ischarge in gal. 1 iow Tea	for non-filer Flowing or min. of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing of the packin	owing Well Well JOS fee flowing w Lengue of groundinent infused for in	et at	2 gal.	feet. feet. utoff, loca- ll, and any number of
	Indicate location place of use, if small square rep	1. T./2 NR. 17. n of well and possible. Each resents 10 acres	Si Si Si Si Si Si Si Si Si Si Si Si Si S	tatic Water Level aut-in Pressure is umping Water Level ischarge in gal. 1 iow Tea	for non-filer Flowing or min. of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the similar person of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing, place of the packing of the packin	owing Well Well JOS fee flowing w Lengue of groundinent infused for in	et at	2 gal.	feet. feet. utoff, loca- ll, and any number of

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